



**LIFTING HOLE REPAIR:**

1. REMOVE EXISTING CONCRETE PLUG AND ANY REMAINING CONCRETE OR RAM-NECK SEALANT.
2. CLEAN AND DRY SURFACE OF PIPE AROUND LIFTING HOLE USING A WIRE BRUSH OR OTHER ABRASIVE CLEANING TOOLS .
3. FURNISH AND INSTALL "POPIT" LIFTING HOLE PLUG, OR APPROVED EQUAL, APPLYING A BEAD OF ADHESIVE CAULK BETWEEN PLUG AND EXTERIOR OF PIPE.
4. FURNISH AND INSTALL A 12"x12" CUT OF A WATERPROOFING MEMBRANE IN COMPLIANCE WITH MNDOT SPEC 3757 (SEE APPROVED PRODUCTS LIST), CENTERED OVER LIFTING HOLE PLUG.

**PIPE JOINT REPAIR:**

1. EXCAVATE AND EXPOSE ENTIRE PIPE JOINT.
2. CLEAN AND DRY SURFACE OF PIPE TO 18" ON BOTH SIDES OF PIPE USING A WIRE BRUSH OR OTHER ABRASIVE CLEANING TOOLS.
3. DOUBLE WRAP THE JOINT TO A REPAIR WIDTH OF 24" OF A WATERPROOFING MEMBRANE IN COMPLIANCE WITH MNDOT SPEC 3757 (SEE APPROVED PRODUCTS LIST).
4. ENCASE ENTIRE JOINT REPAIR IN A 6" THICK CONCRETE CONSTRUCTION JOINT.

**221 – LIFTING HOLE AND JOINT REPAIR**

LIFT HOLE-JNT REPAIR.DWG

3/2018

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**ENGINEERING DIVISION  
PUBLIC WORKS DEPARTMENT**

PLATE NAME:

**221 – Lifting Hole and Joint Repair**

LAST REVISED: 3/26/2018

LAST REVISED BY: KBO